

Application No.: 10/718952
Docket No.: BB1077USDIV

Page 2

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended) An isolated nucleic acid fragment encoding a soybean *myo*-inositol 1-phosphate synthase wherein the nucleotide sequence encoding the soybean *myo*-inositol 1-phosphate synthase has at least 90% sequence identity to the nucleotide sequence set forth in SEQ ID NOs:1 or 15 using based on the Clustal method of alignment.

Claim 2 (canceled)

Claim 3 (previously presented) The nucleic acid fragment of Claim 1 wherein the nucleotide sequence encoding the soybean *myo*-inositol 1-phosphate synthase encodes the amino acid sequence set forth in SEQ ID NO:2 or SEQ ID NO:16.

Claim 4 (currently amended) The nucleic acid fragment of Claim 1 wherein the nucleotide sequence encoding the soybean *myo*-inositol 1-phosphate synthase is set forth in SEQ ID NO:1 or SEQ ID NO:15.

Claim 5 (canceled)

Claim 6 (previously presented) A chimeric gene comprising the nucleic acid fragment of Claim 1 or the complement of the nucleic acid fragment of Claim 1, a subfragment of the nucleic acid fragment of Claim 1 or the complement of a subfragment of the nucleic acid fragment of Claim 1, operably linked to suitable regulatory sequences, wherein expression of the chimeric gene results in a decrease in expression of an endogenous or native gene encoding a soybean *myo*-inositol 1-phosphate synthase.

Claim 7 (currently amended) An isolated nucleic acid fragment encoding a soybean mutant *myo*-inositol 1-phosphate synthase having decreased capacity for the synthesis of *myo*-inositol-1-phosphate wherein the nucleotide sequence encoding the soybean mutant *myo*-inositol 1-phosphate synthase has at least 90% sequence identity to the nucleotide sequence set forth in SEQ ID NOs:5 or 11 using based on the Clustal method of alignment.

BEST AVAILABLE COPY

Application No.: 10/718952
Docket No.: BB1077USDIV

Page 3

Claim 8 (canceled)

Claim 9 (previously presented) The nucleic acid fragment of Claim 7 wherein the nucleotide sequence encoding the mutant *myo*-inositol 1-phosphate synthase encodes the amino acid sequence set forth in SEQ ID NO:6 or SEQ ID NO:12.

Claim 10 (previously presented) The nucleic acid fragment of Claim 7 wherein the nucleotide sequence encoding the mutant *myo*-inositol 1-phosphate synthase is set forth in SEQ ID NO:5 or SEQ ID NO:11.

Claims 11-33(canceled)

BEST AVAILABLE COPY